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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|------------------------|---------------------|------------------|
| 09/992,981 | 11/06/2001 | Brian Christopher Ford | 1181 US | 7661 |

20346 7590 04/02/2002

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EXAMINER

FLEMING, FAYE M

| ART UNIT | PAPER NUMBER |
|----------|--------------|
|----------|--------------|

3616

DATE MAILED: 04/02/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/992,981

Applicant(s)

FORD ET AL.

Examiner

Faye Fleming

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: .

DETAILED ACTION

Acknowledgment

Information Disclosure Statement

1. The information disclosure statement filed February 18, 2002 has been entered and acknowledged.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-5, 10-14, 18 and 19 are rejected under 35 U.S.C. 102(b) as being anticipated by Nelson, et al ('499).

Nelson, et al teaches an air bag comprising an inflatable cushion 1 made from a first material having an inflator opening 2; a baffle 4 having a second material; a baffle opening 7, wherein the opening is aligned with at least one-third of the inflator opening and the opening has an area at least one-half of the area of the inflator opening. The baffle opening is aligned with approximately one-half of the inflator opening and; the baffle opening has an area that is approximately double the area of the inflator opening, as shown in Figure 2. Nelson, et al teaches a heat shield (See Col. 3, lines 2-5) having an inflator opening (See Col. 5, lines 25-27), also shown in Figure 1. The heat shield is made from a material different from that comprising the inflatable cushion (See Col. 5, lines 47-57). The heat shield is attached to the baffle. The baffle and the heat shield of

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Nelson, et al is made from a coated woven nylon fabric (See Col. 5, lines 47-51). The heat shield is attached to baffle by using double needle chain stitch 6, the stitching is approximately 10mm from the edge of the heat shield. The baffle opening is disposed in the baffle so that the gas passes through the baffle opening without contacting the baffle and influencing the deployment trajectory of the airbag.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 6-9 and 15-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nelson, et al ('499) in view of Taguchi, et al ('535).

Nelson, et al discloses the claimed invention except for the two baffle openings having an oval or circular shape located in the upper section of the baffle. Taguchi, et al discloses an airbag comprising a baffle 22 having two openings 22a of oval and circular shape located in the upper section of the baffle. Based on the teachings of Taguchi, et al, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the baffle openings of Nelson, et al to include the two baffle openings having an oval or circular shape located in the upper section of the baffle to control the air pressure of the airbag and; since increasing the amount of openings, changing the shape and the location of the openings would not change the function of

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the device and making the above changes for suitability of intended use would have been obvious to one having ordinary skill in the art.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The Carey, et al, Cole, Strasser, et al, Suszko, et al and Shellabarger references each disclose some features in common with the present invention such as airbags comprising baffles.

Any inquiry concerning this communication should be directed to Faye Fleming at telephone number (703) 305-0209.

Faye Fleming
Examiner
Art Unit 3618



6/3/22/02



ANNE MARIE BOEHLER
Primary Examiner